

New MasterTech Pump

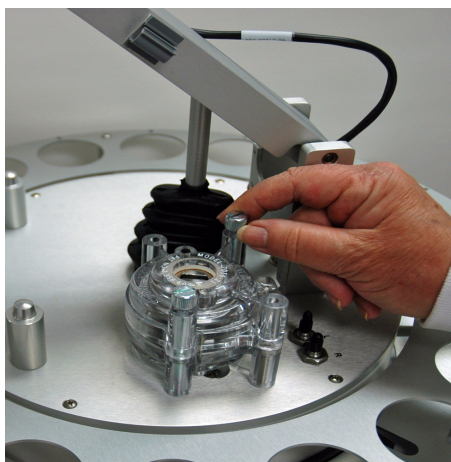
This Product Bulletin contains instructions for installing the tubing on MasterTech units with a serial number of 501 or higher.

1. Make sure that the arm is in the Load (uppermost) position. When the arm is in the Load position, the Load LED is illuminated. If the LED is not illuminated, press the ARM AUTO/LOAD switch.

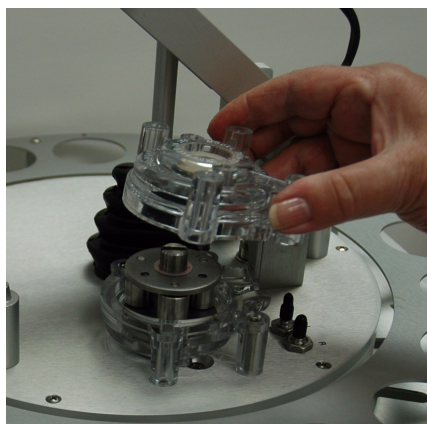


Load position

2. Unscrew the two thumbscrews from the cover of the pump housing, then remove the cover.

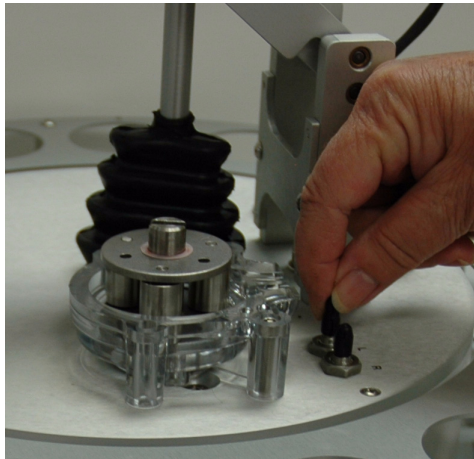
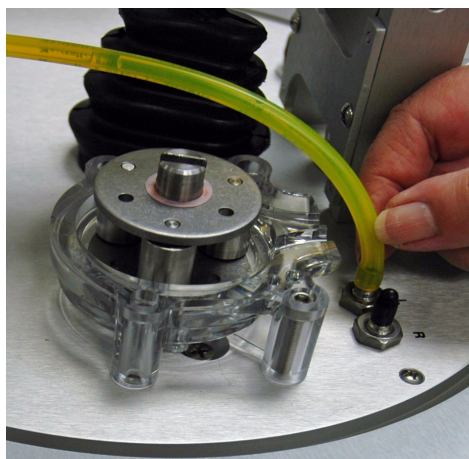


A

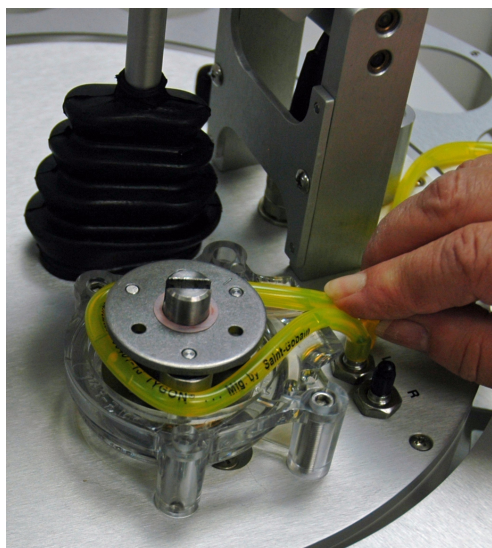


B

3. A 21-in. segment of flexible tubing is shipped with the MasterTech. Remove the cover from one of the steel tubes labeled **L** (Left) or **R** (Right). Choose the steel tube labeled with the side of the MasterTech from which you want the fluid to be discharged. Then attach one end of the flexible tubing to the steel tube.

**A****B**

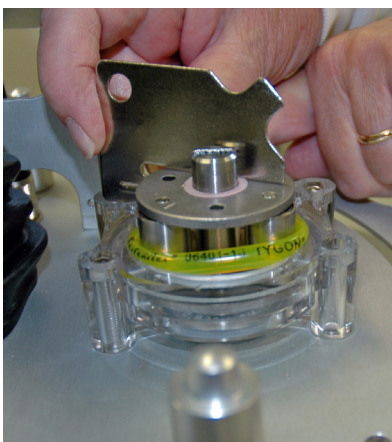
4. Loop the tubing around the pump rollers in a clockwise direction, using one hand to hold the two ends of the tubing loop in the two grooves at the base of the pump.



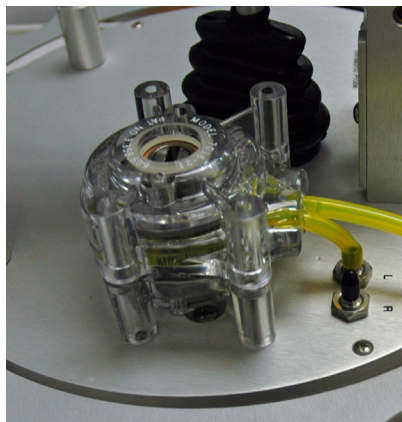
5. Insert the key between the pump rollers near the left side of the pump base, with the key blade between the tubing and the plate on the top of the rollers.



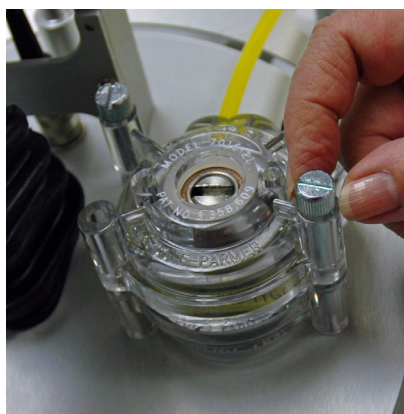
6. Turn the key clockwise so the tubing presses into the groove until the key is stopped by the peg in the right side of the pump body.



7. Slide the key out, then place the cover over the pump, wiggling it slightly to align it with the pump body and press it into place. Then insert and tighten the two thumbscrews only tight enough to secure the cover.



A



B

- Attach the other end of the flexible tubing to the Sample Transfer tube on the front of the MasterTech as shown below.



- With the instrument schematic displayed, enable Manual Mode. Right-click the **MasterTech Pump** icon and select **Turn On**.
- The pump should begin operating. If the pump does not start or is sluggish, pull on the long end of the tubing to create tension and pull excess tubing out of the pump, no more than 1/4-in. should be required. (Loosen the thumbscrews if necessary.) When the pump is operating freely, hand-tighten the two thumbscrews, then turn the pump off.



- Press the ARM AUTO/LOAD switch to place the arm in the AUTO position.